

Figure 1a

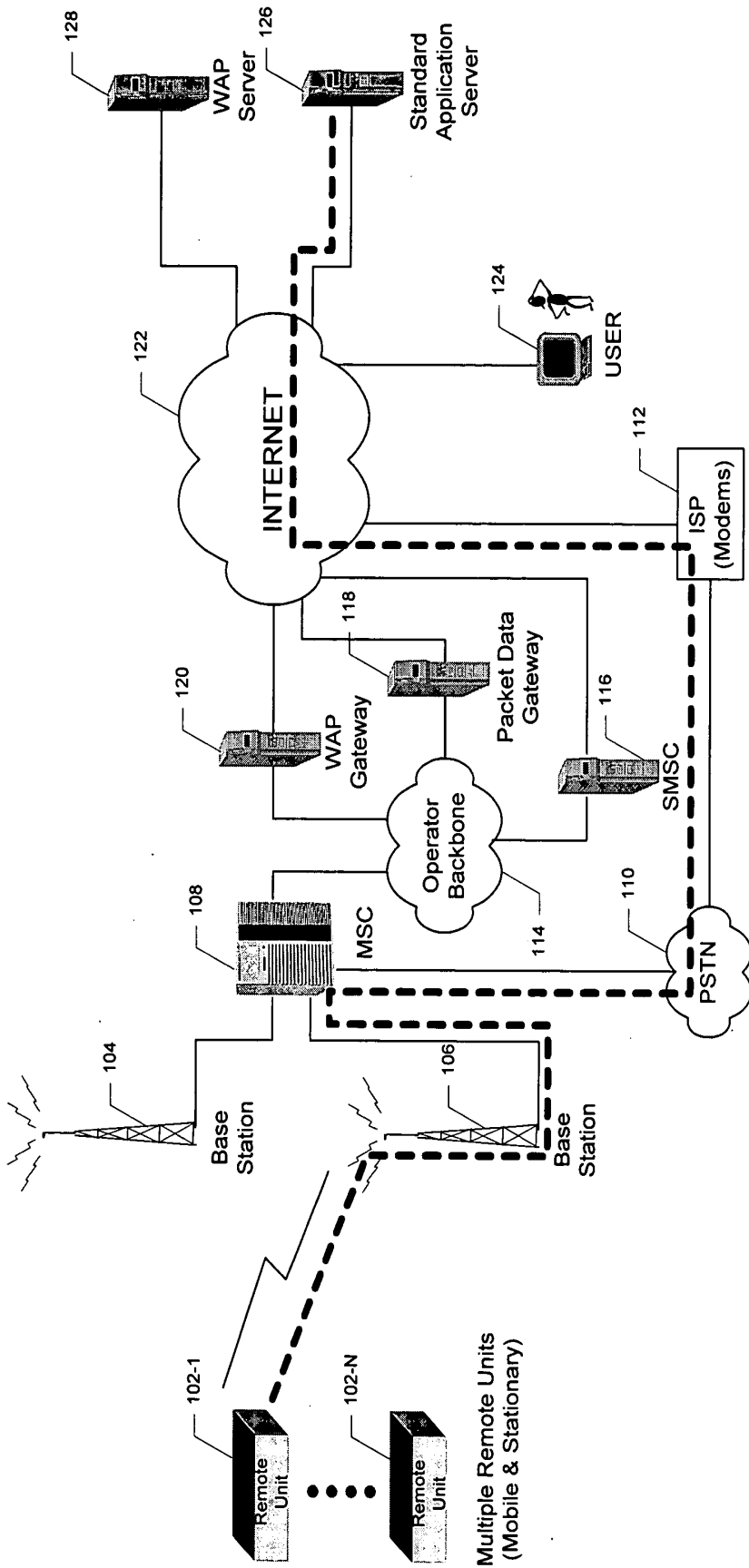


Figure 1b

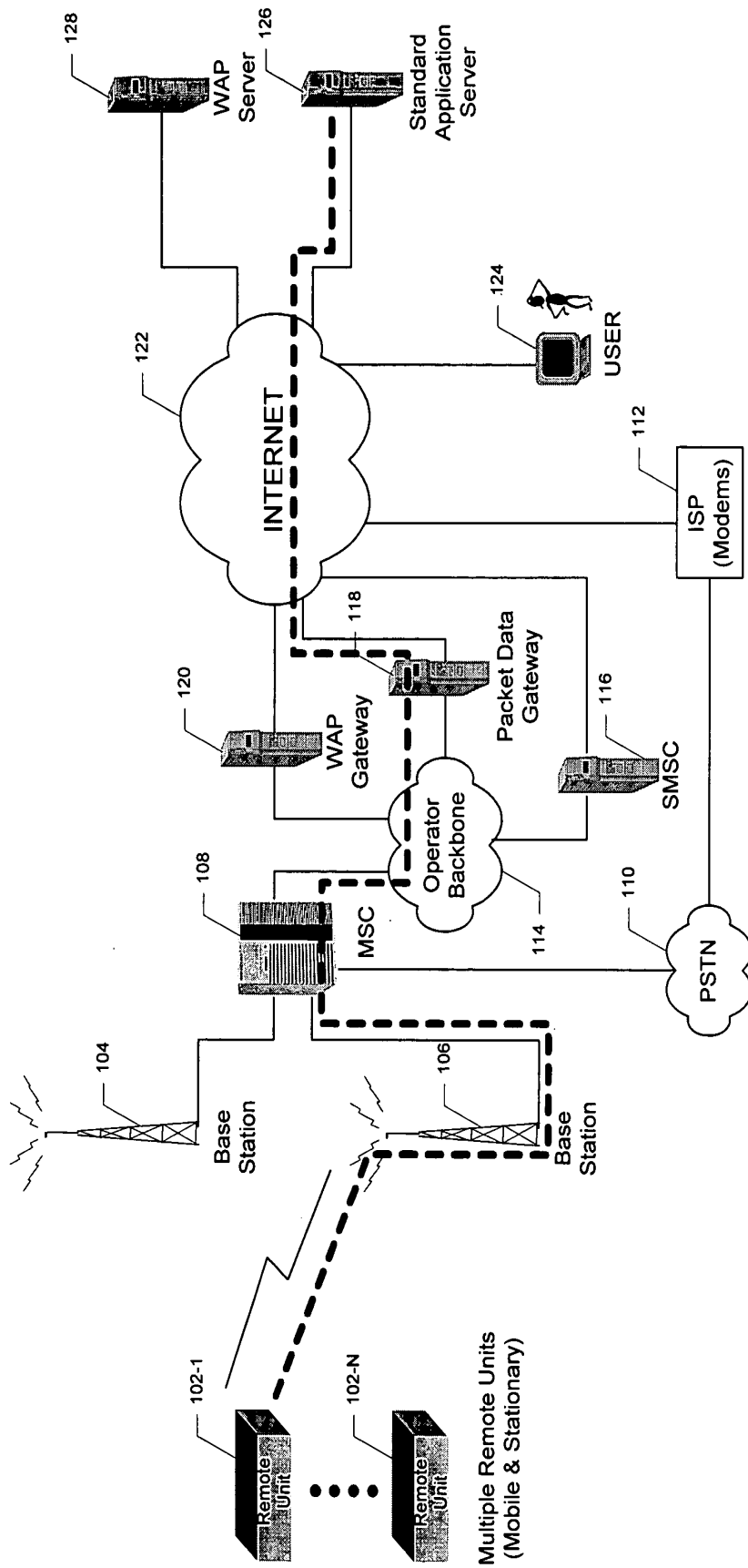


Figure 1c

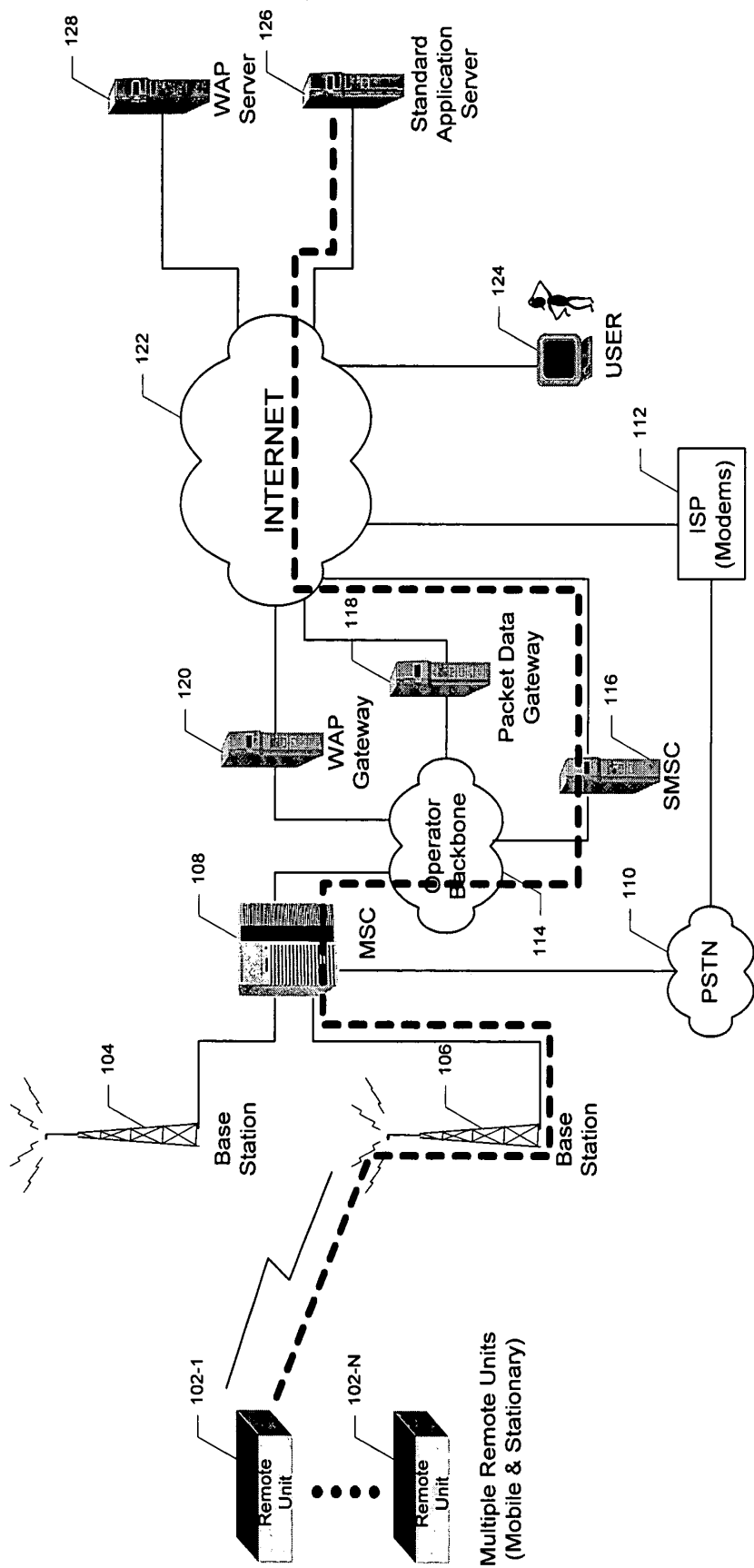


Figure 1d

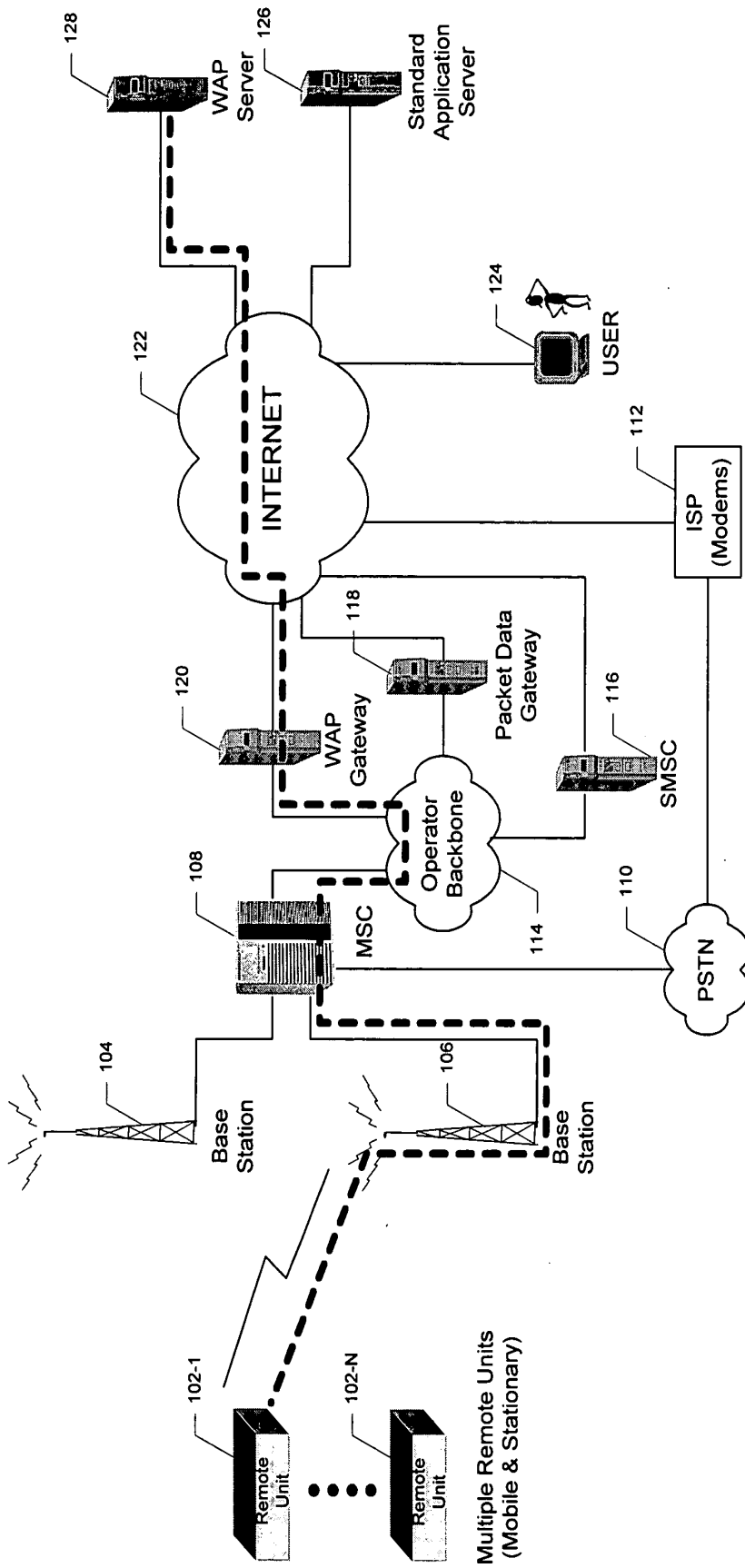


Figure 1e

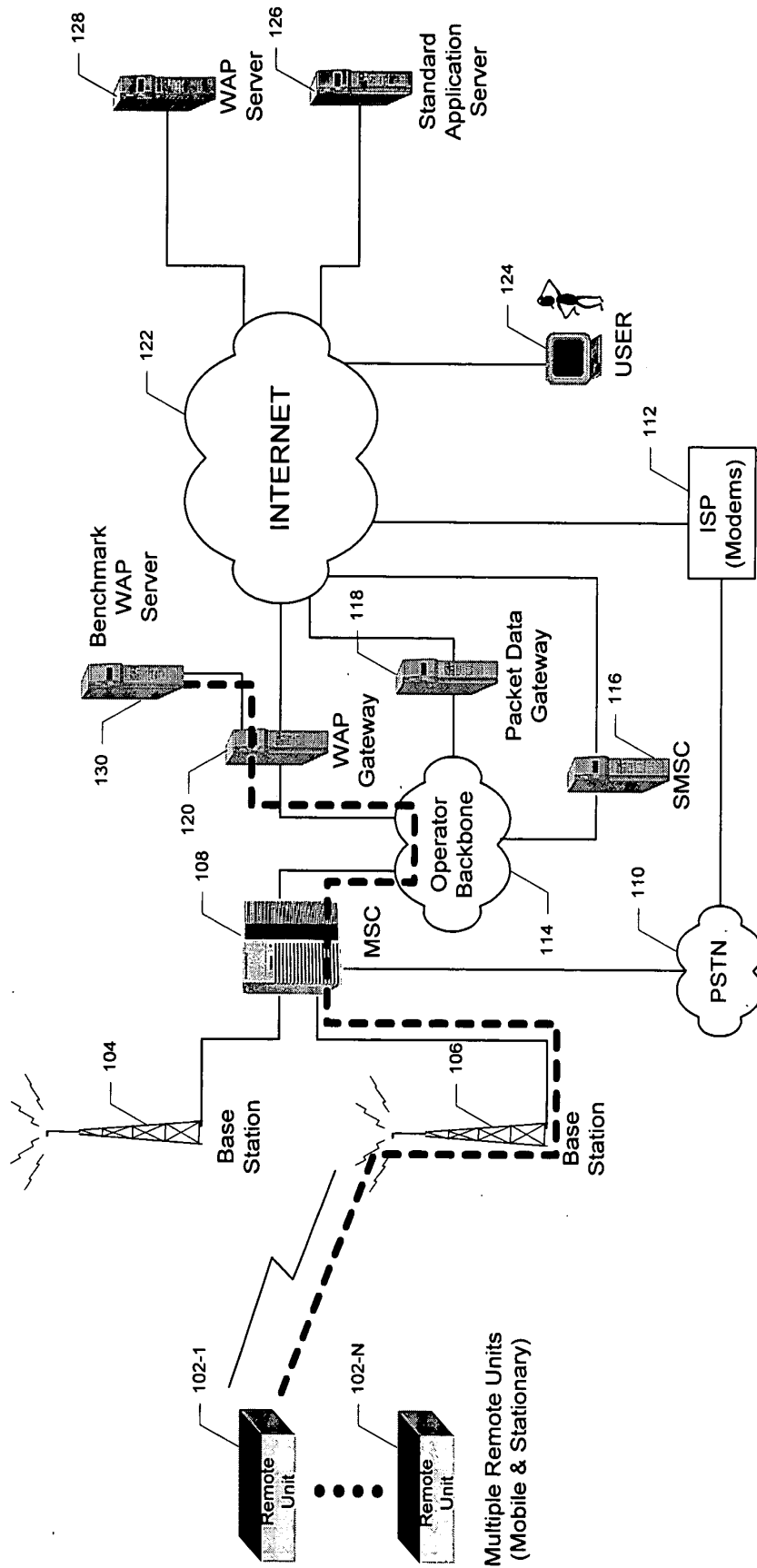


Figure 1f

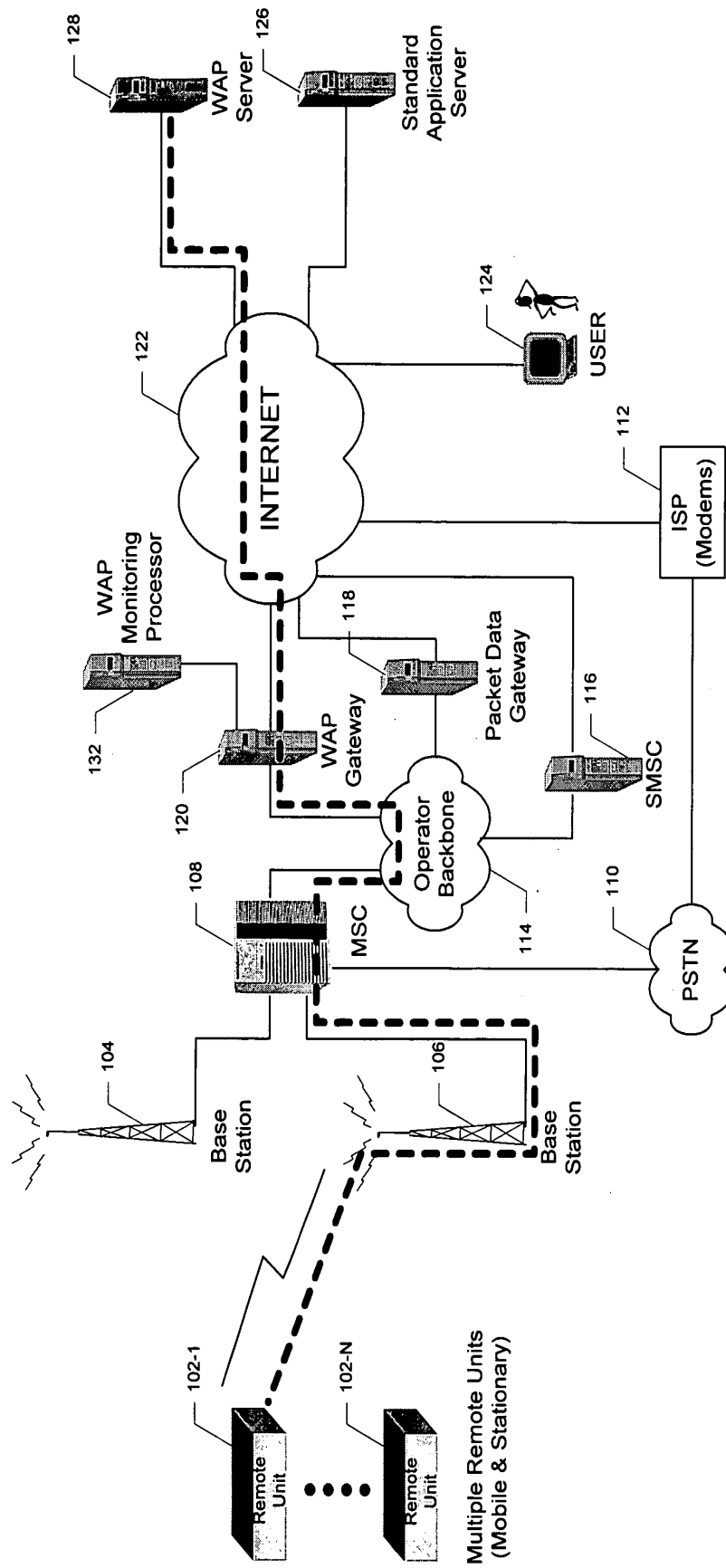


Figure 1g

FIG. 1h

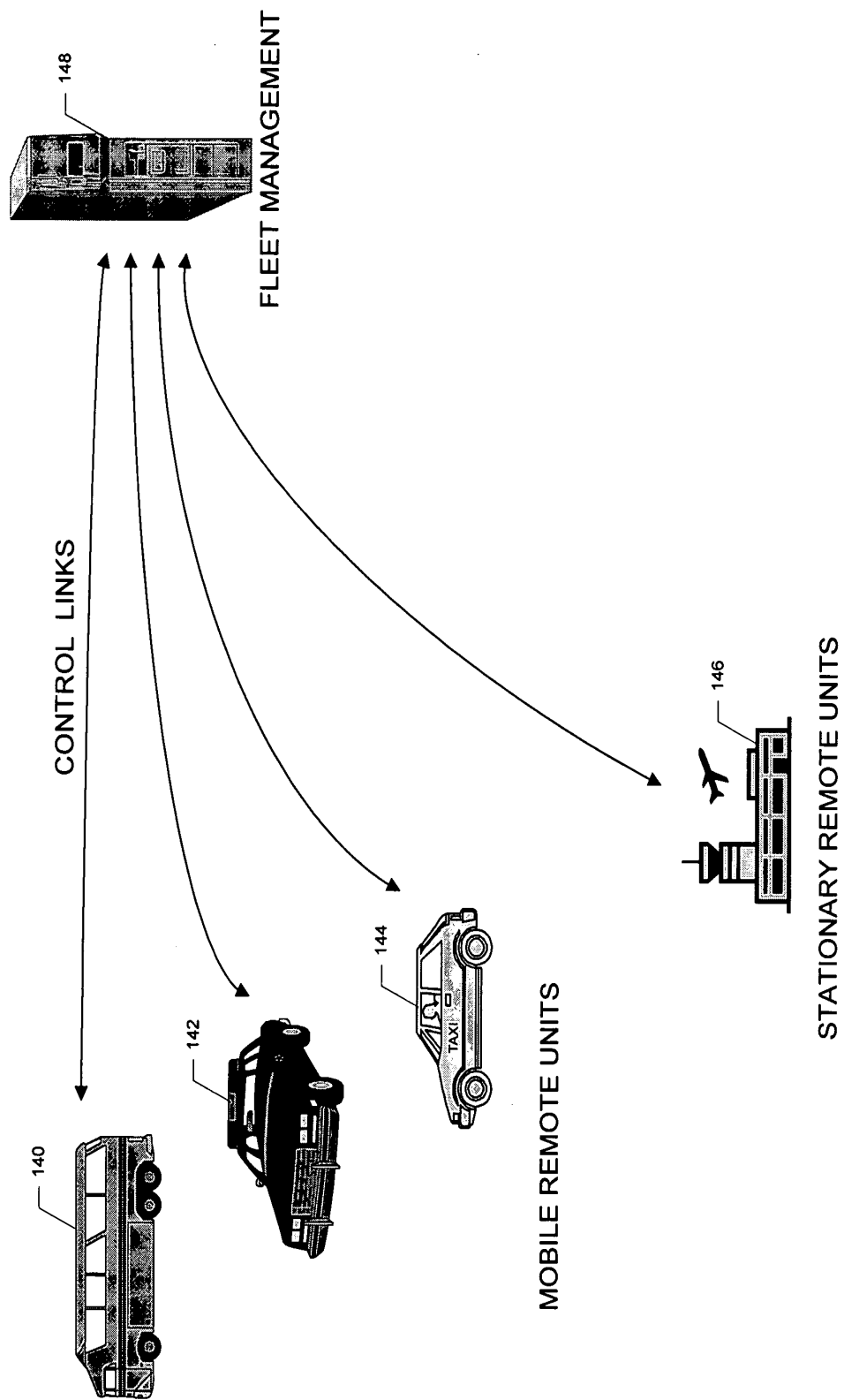


Figure 1h

FIG. 2a is a block diagram of a system architecture.

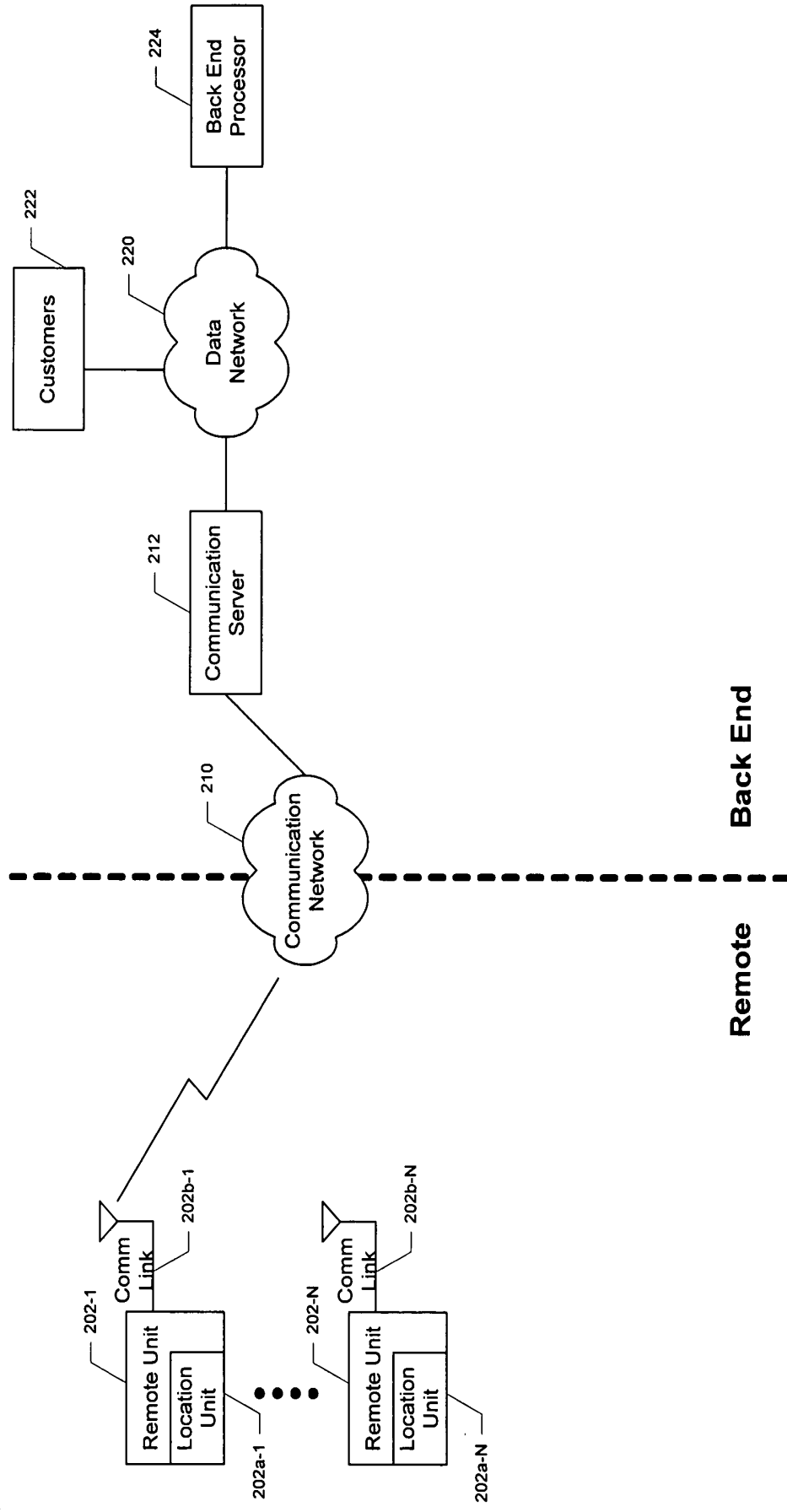


Figure 2a

Figure 2b

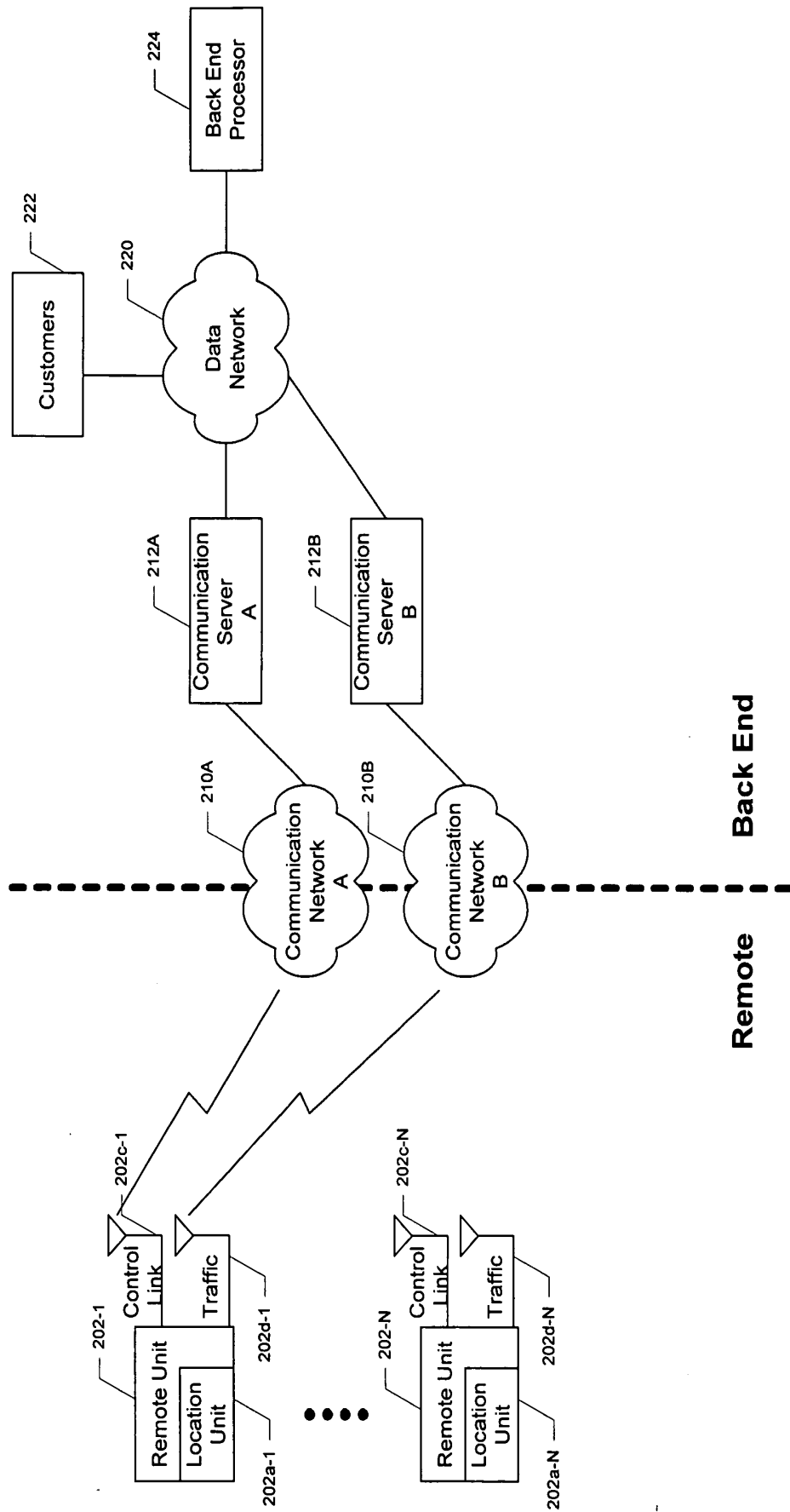


Figure 2b

202a-1 202a-2 202a-3 202a-4 202a-5 202a-6 202a-7 202a-8 202a-9 202a-10 202a-11 202a-12 202a-13 202a-14 202a-15 202a-16 202a-17 202a-18 202a-19 202a-20 202a-21 202a-22 202a-23 202a-24 202a-25 202a-26 202a-27 202a-28 202a-29 202a-30 202a-31 202a-32 202a-33 202a-34 202a-35 202a-36 202a-37 202a-38 202a-39 202a-40 202a-41 202a-42 202a-43 202a-44 202a-45 202a-46 202a-47 202a-48 202a-49 202a-50 202a-51 202a-52 202a-53 202a-54 202a-55 202a-56 202a-57 202a-58 202a-59 202a-60 202a-61 202a-62 202a-63 202a-64 202a-65 202a-66 202a-67 202a-68 202a-69 202a-70 202a-71 202a-72 202a-73 202a-74 202a-75 202a-76 202a-77 202a-78 202a-79 202a-80 202a-81 202a-82 202a-83 202a-84 202a-85 202a-86 202a-87 202a-88 202a-89 202a-90 202a-91 202a-92 202a-93 202a-94 202a-95 202a-96 202a-97 202a-98 202a-99 202a-100

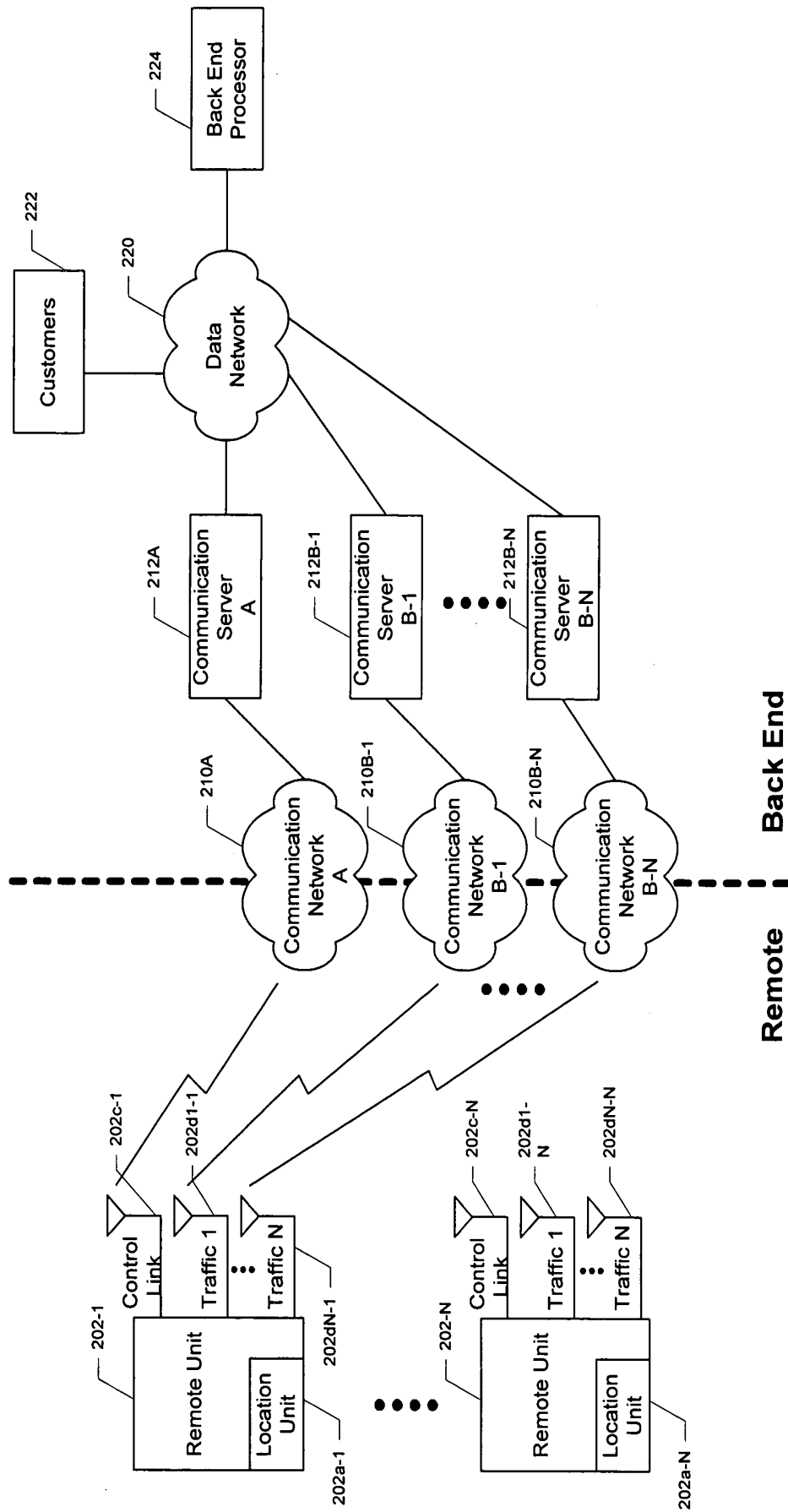


Figure 2c

Figure 2d

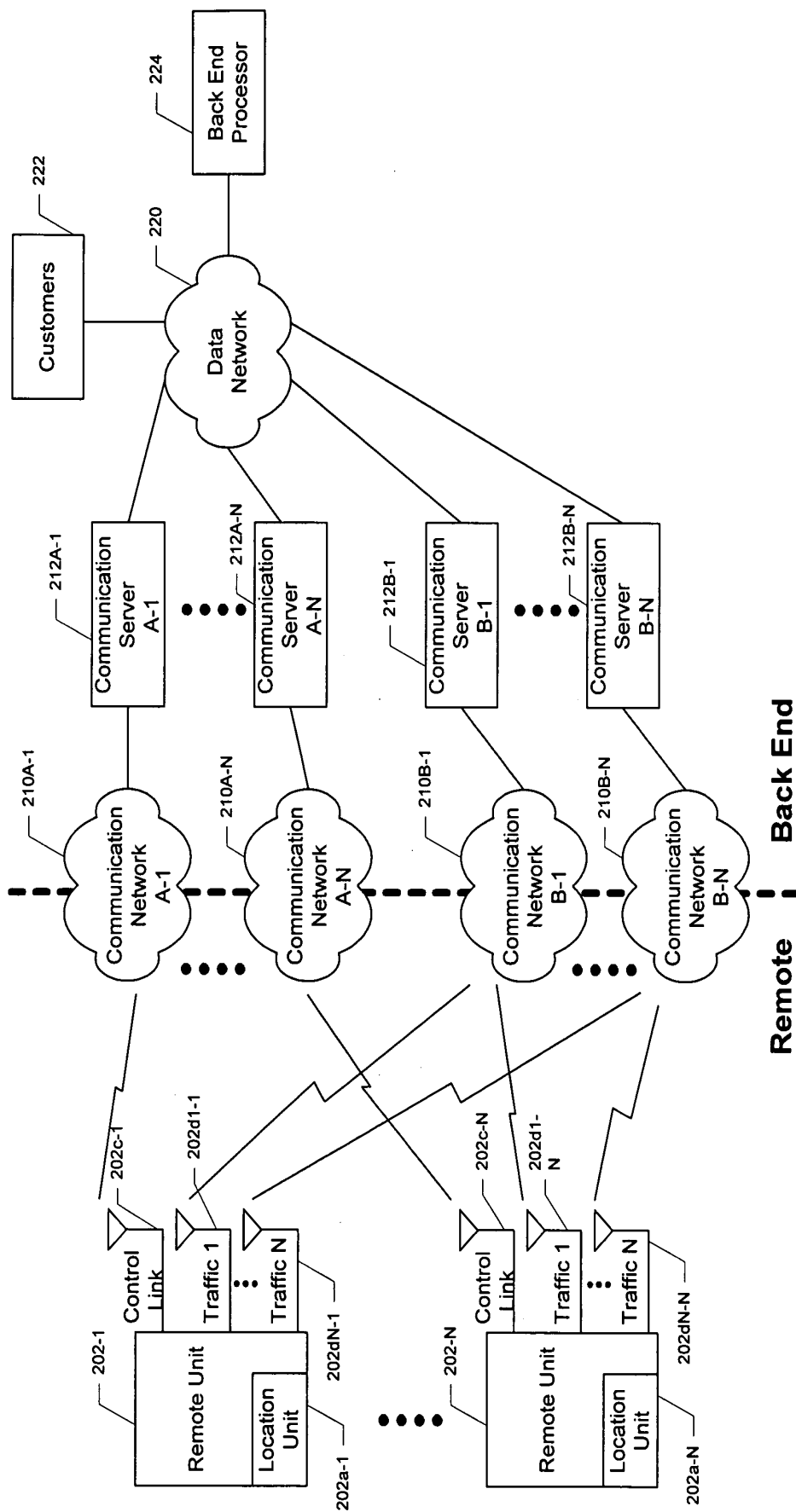


Figure 2d

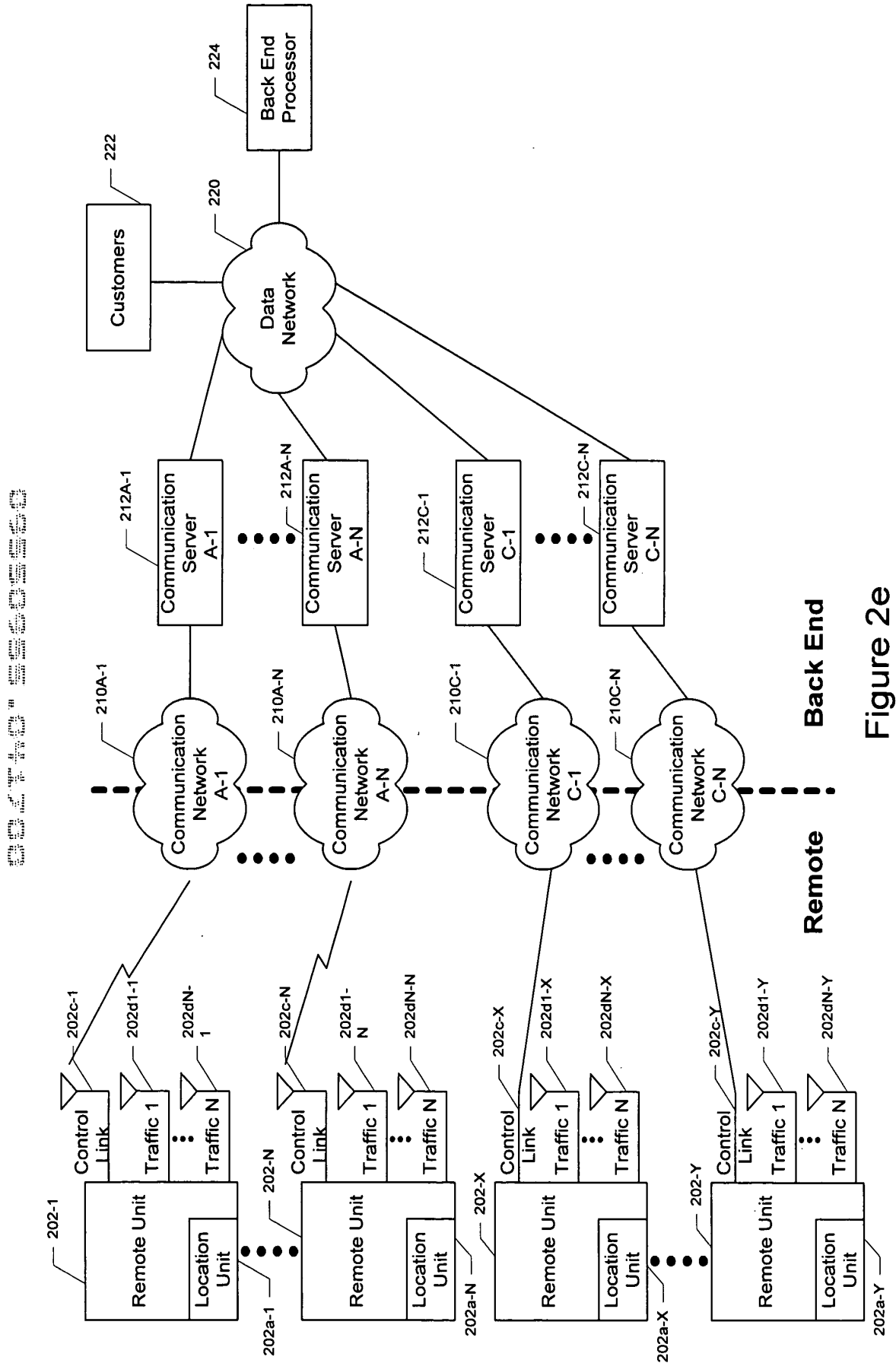


Figure 2e

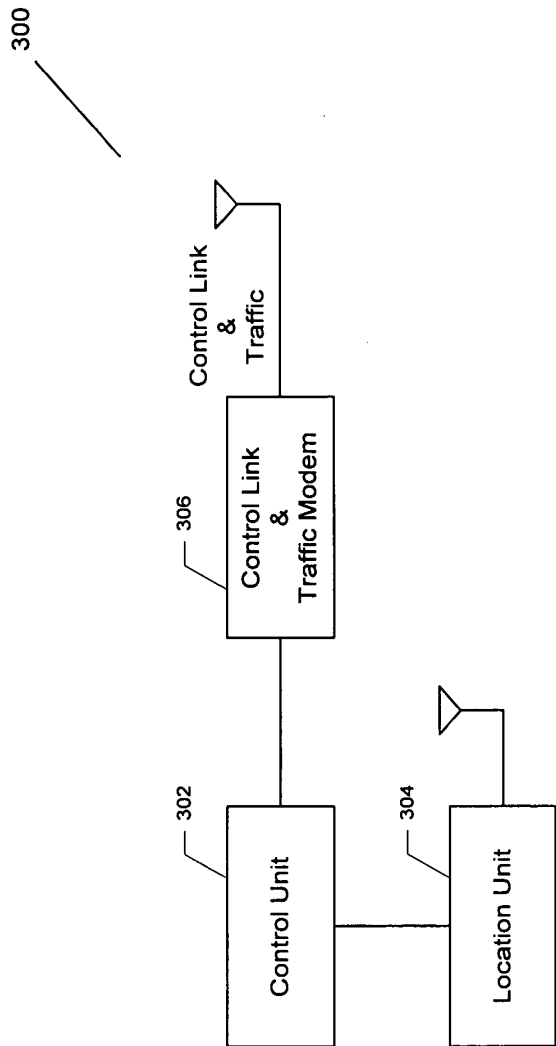
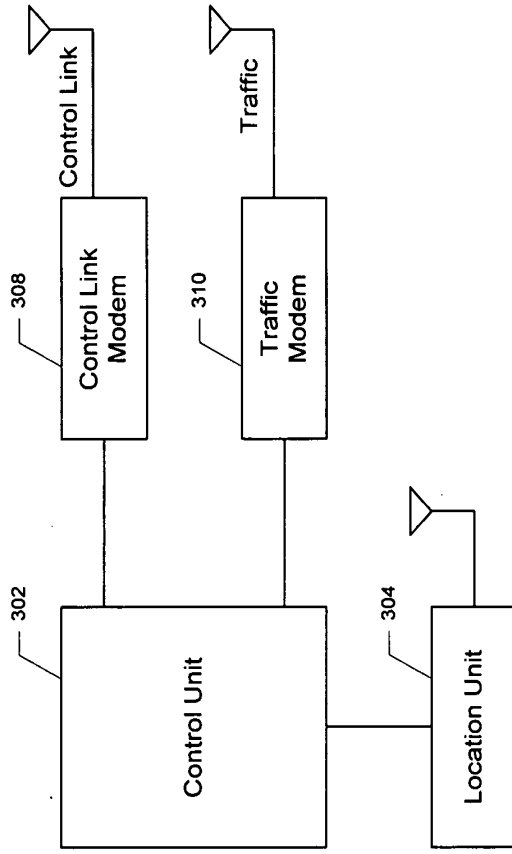


Figure 3a

FIG. 3b is a block diagram of a system 300, according to one embodiment of the present invention.



300

Figure 3b

300

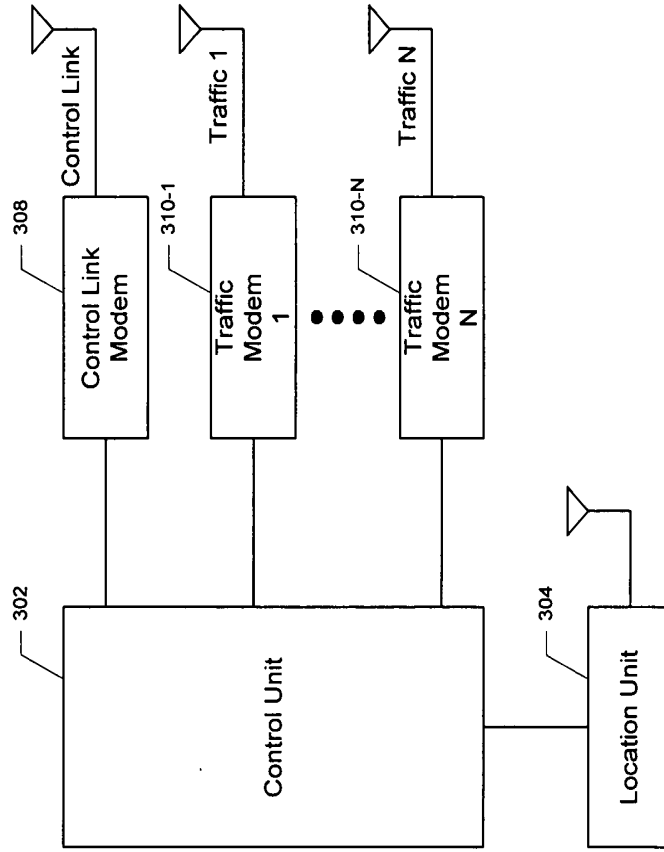


Figure 3c

300

300

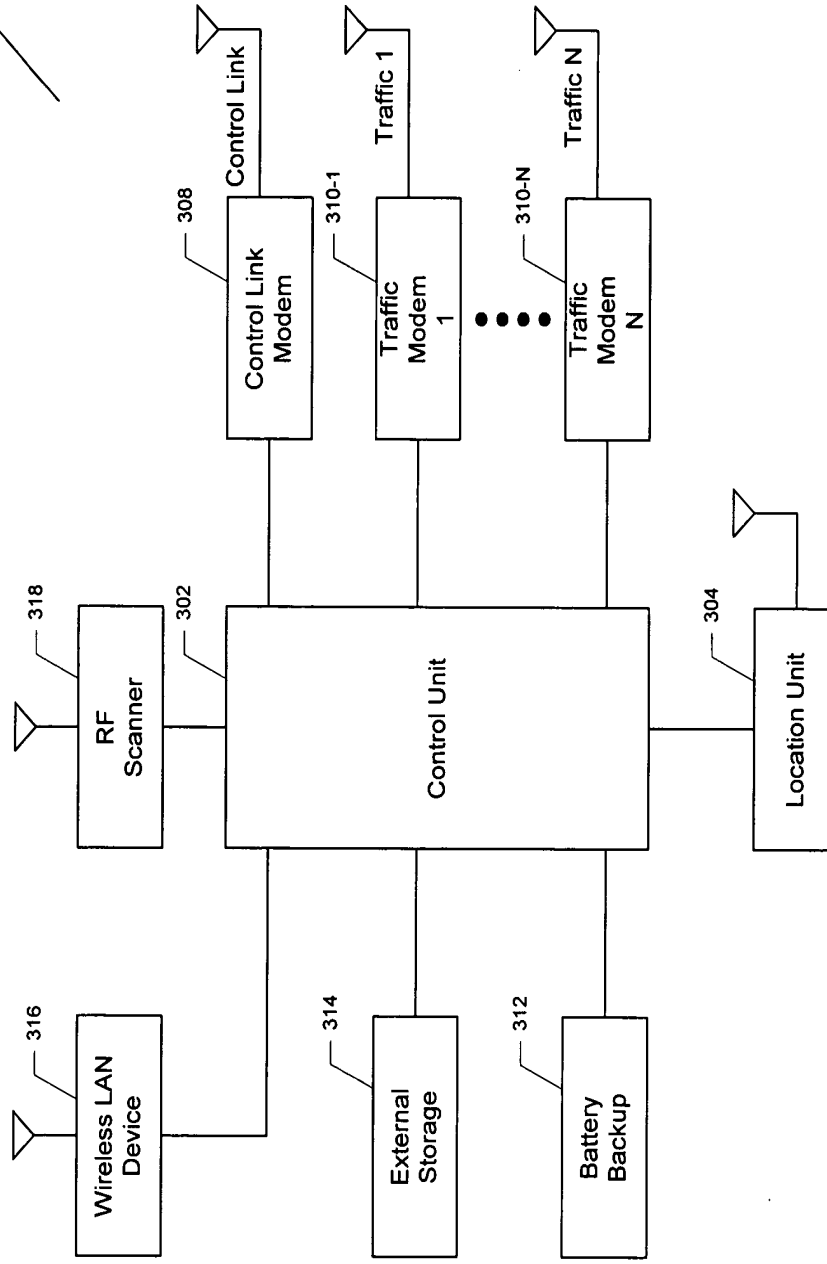


Figure 3d

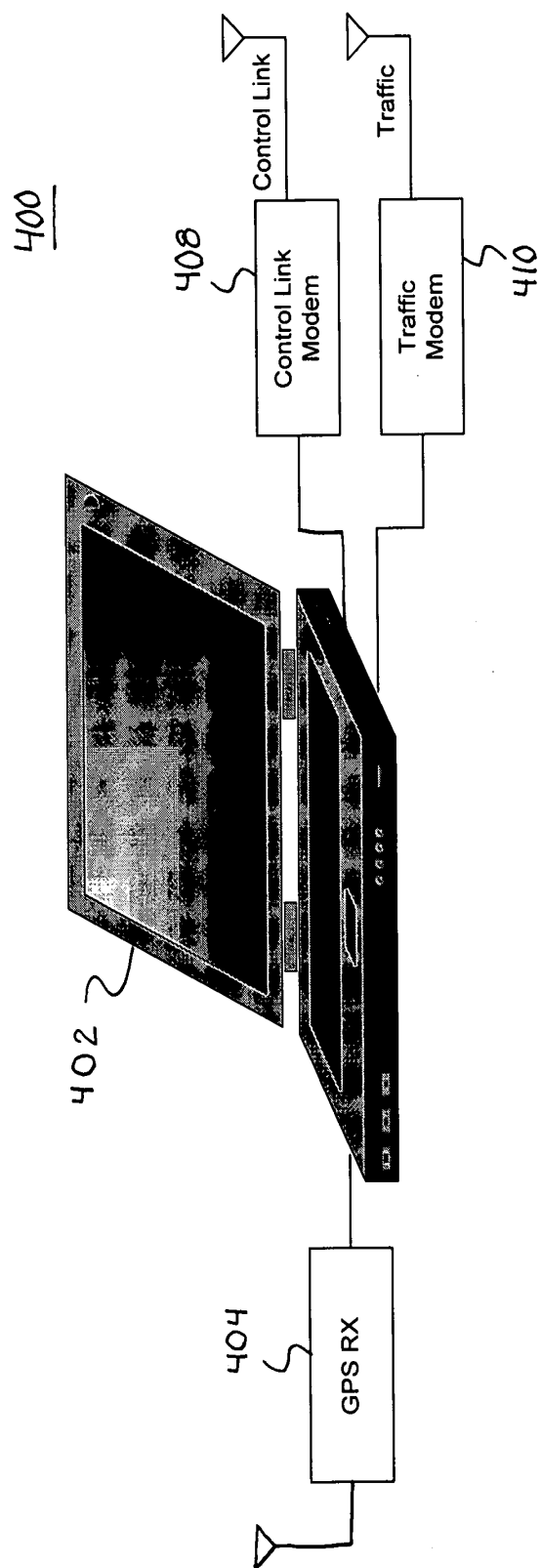


Figure 4a

FIG. 4b is a block diagram of a system architecture.

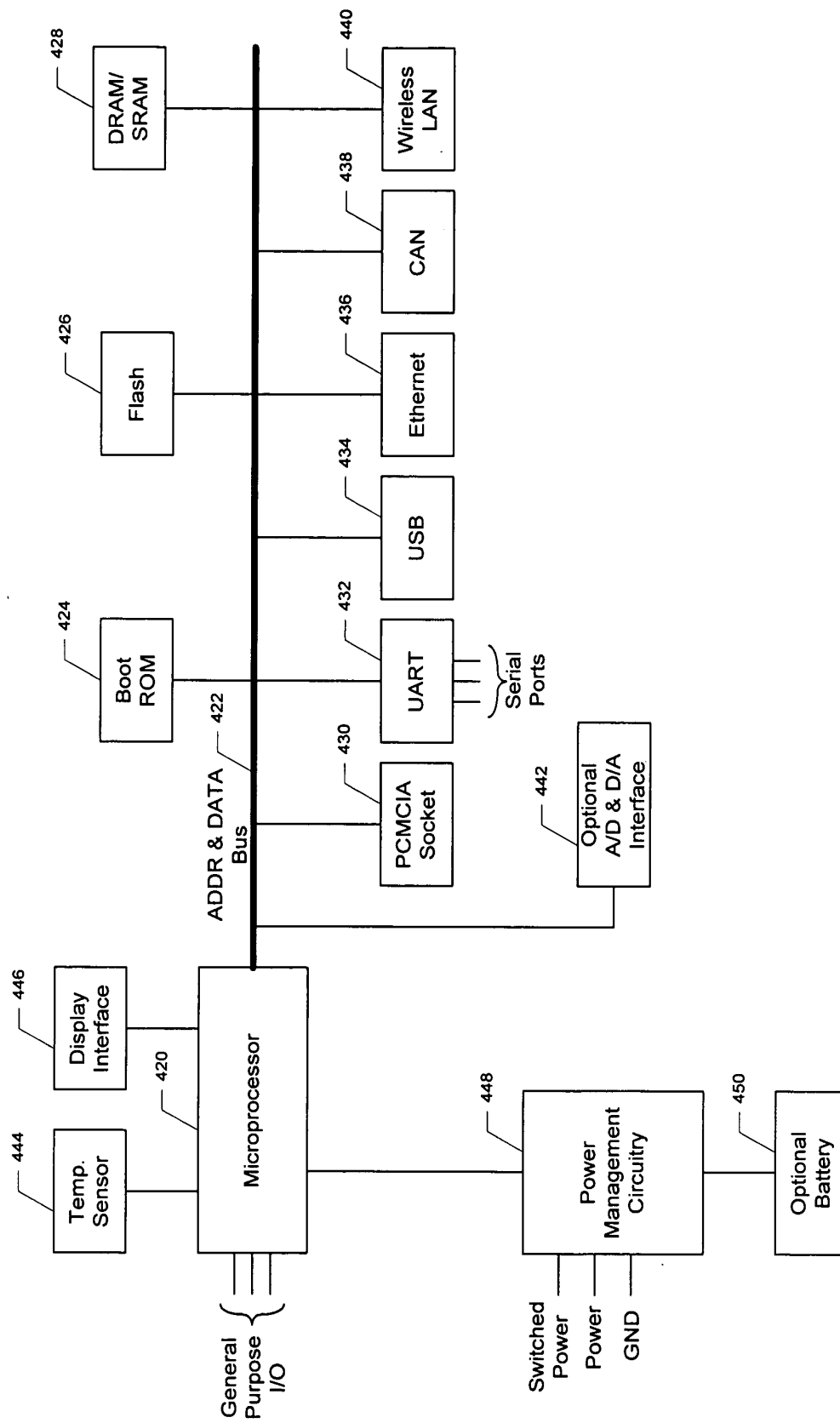


Figure 4b

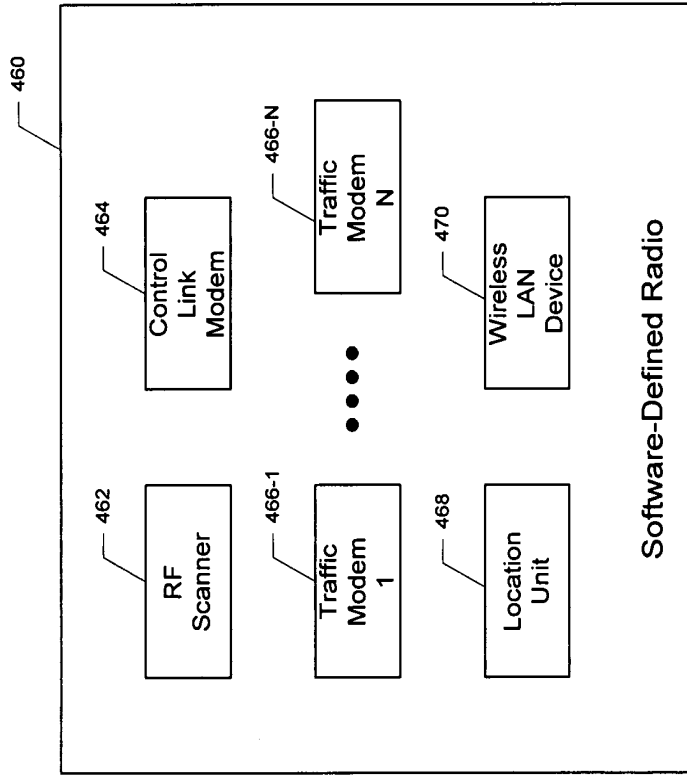


Figure 4c

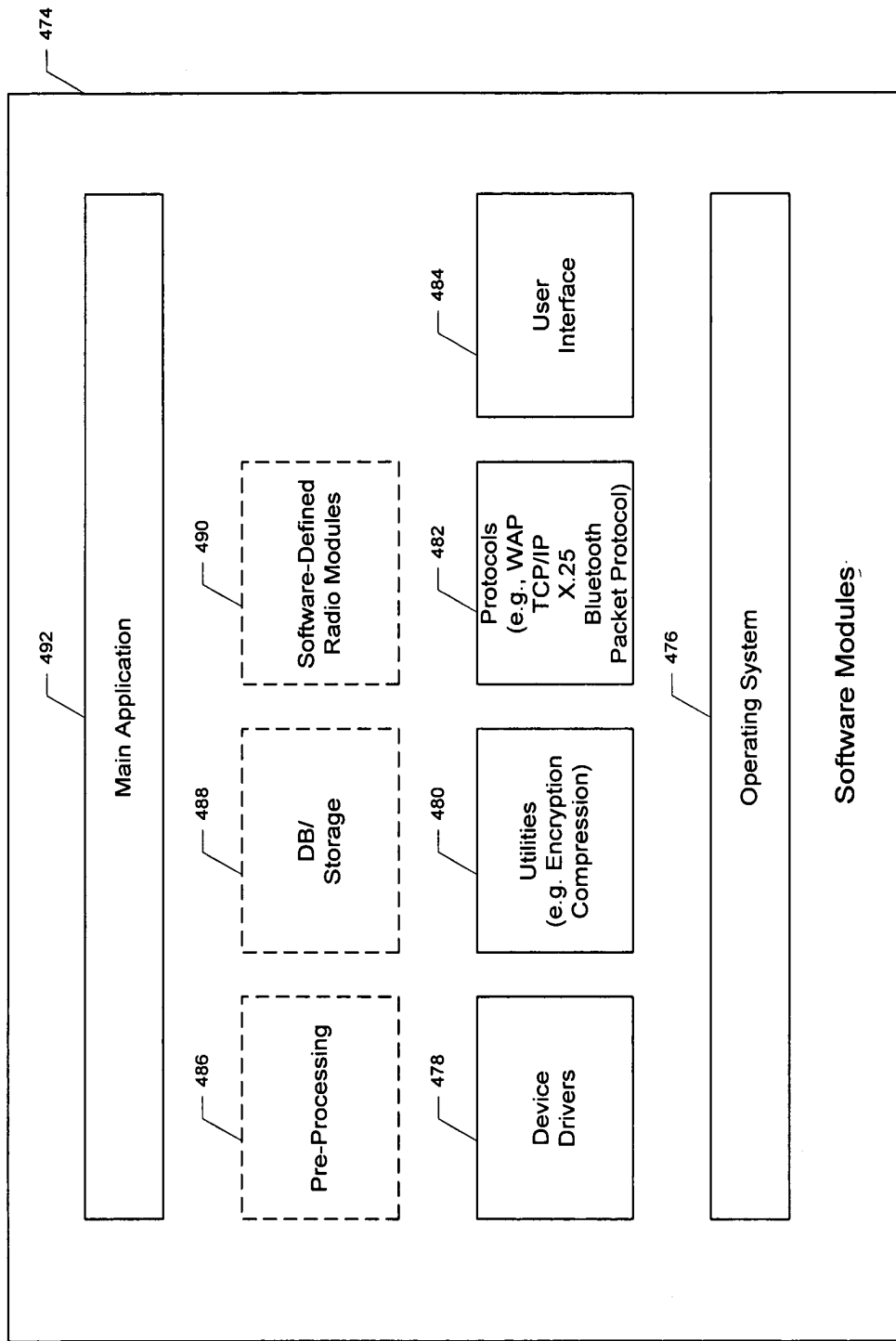


Figure 4d

FIG. 5a is a block diagram of a system 500.

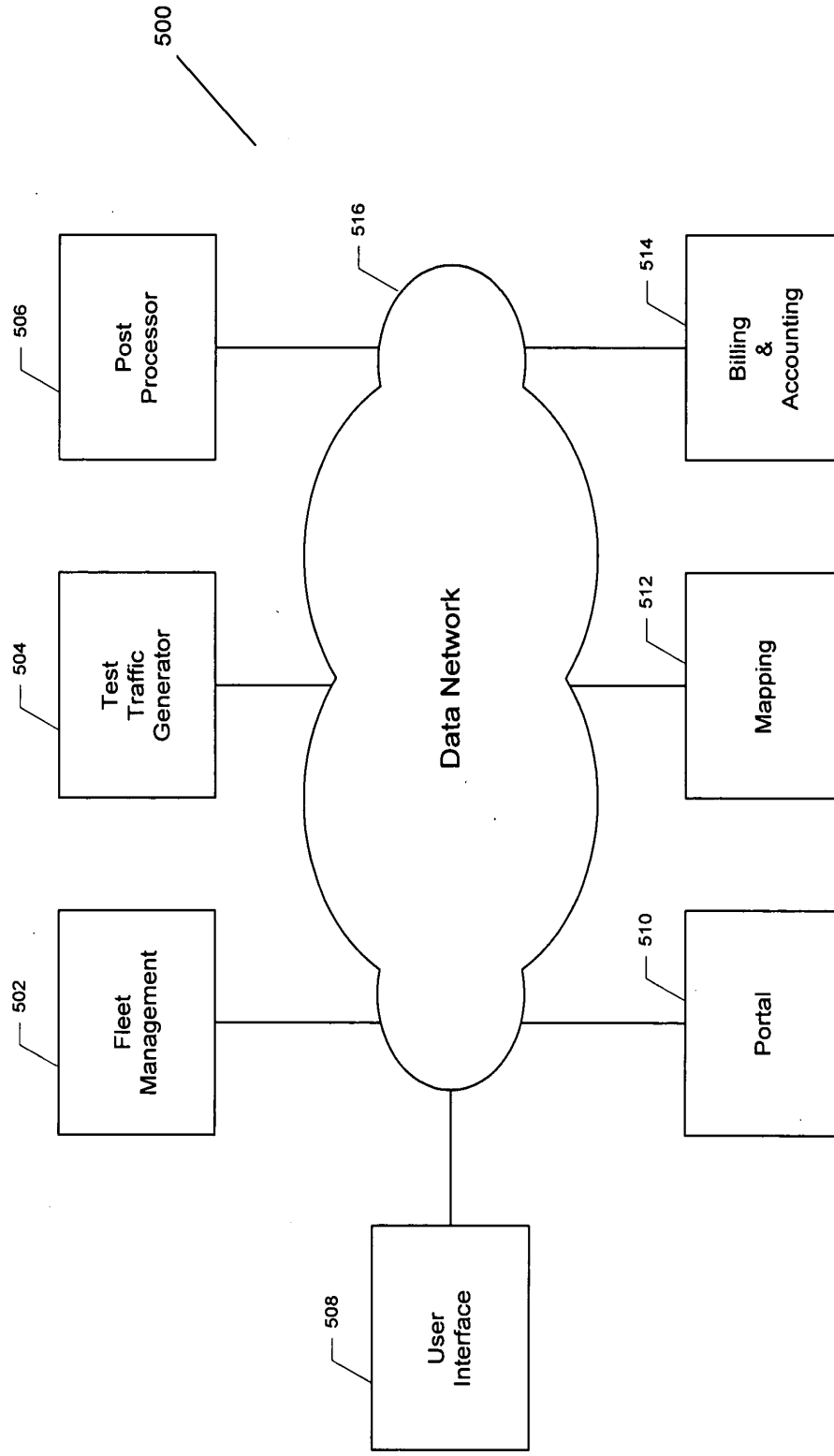


Figure 5a

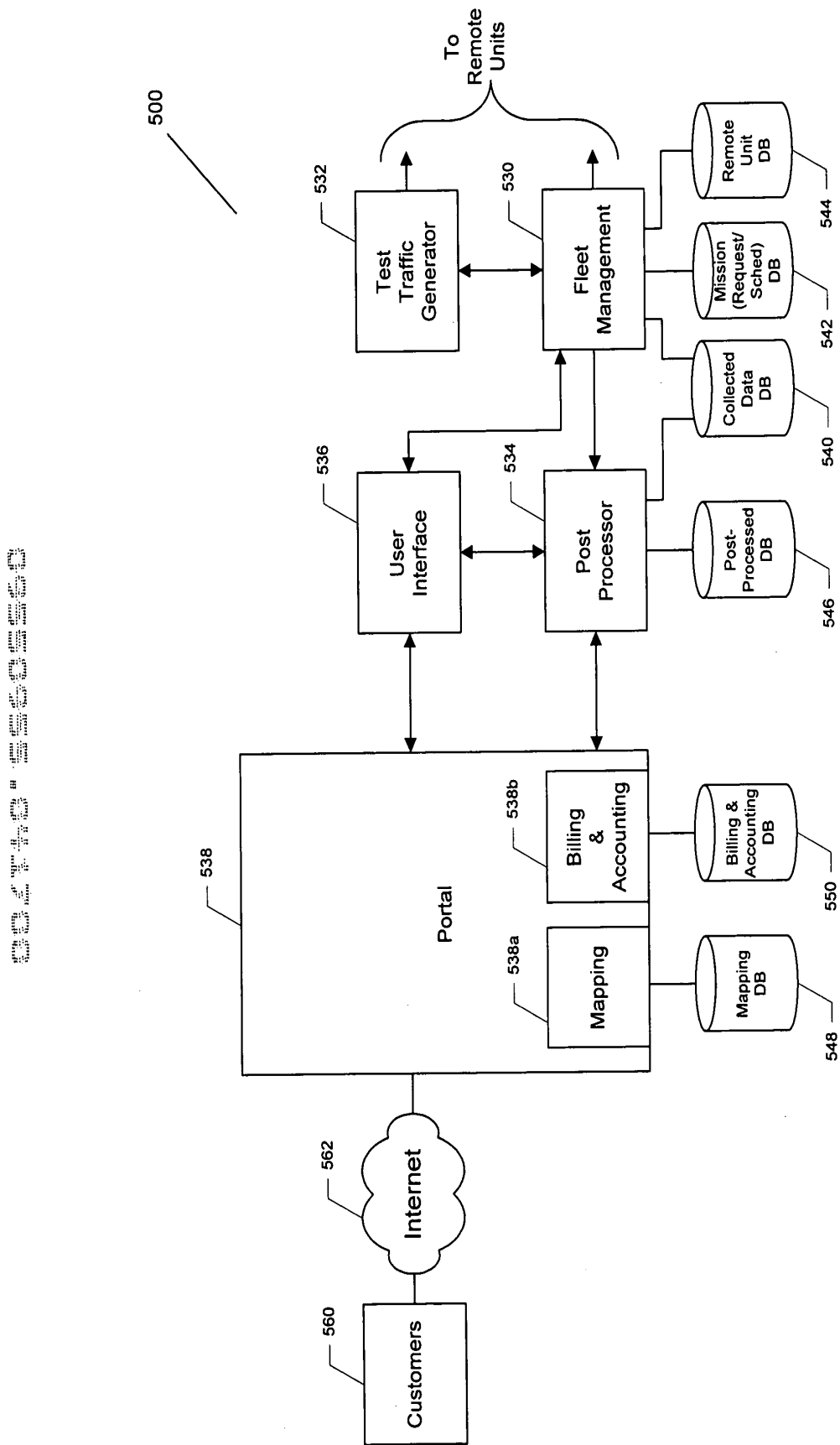


Figure 5b

FIG. 5c is a block diagram of a system architecture for a portal - "Operating System".

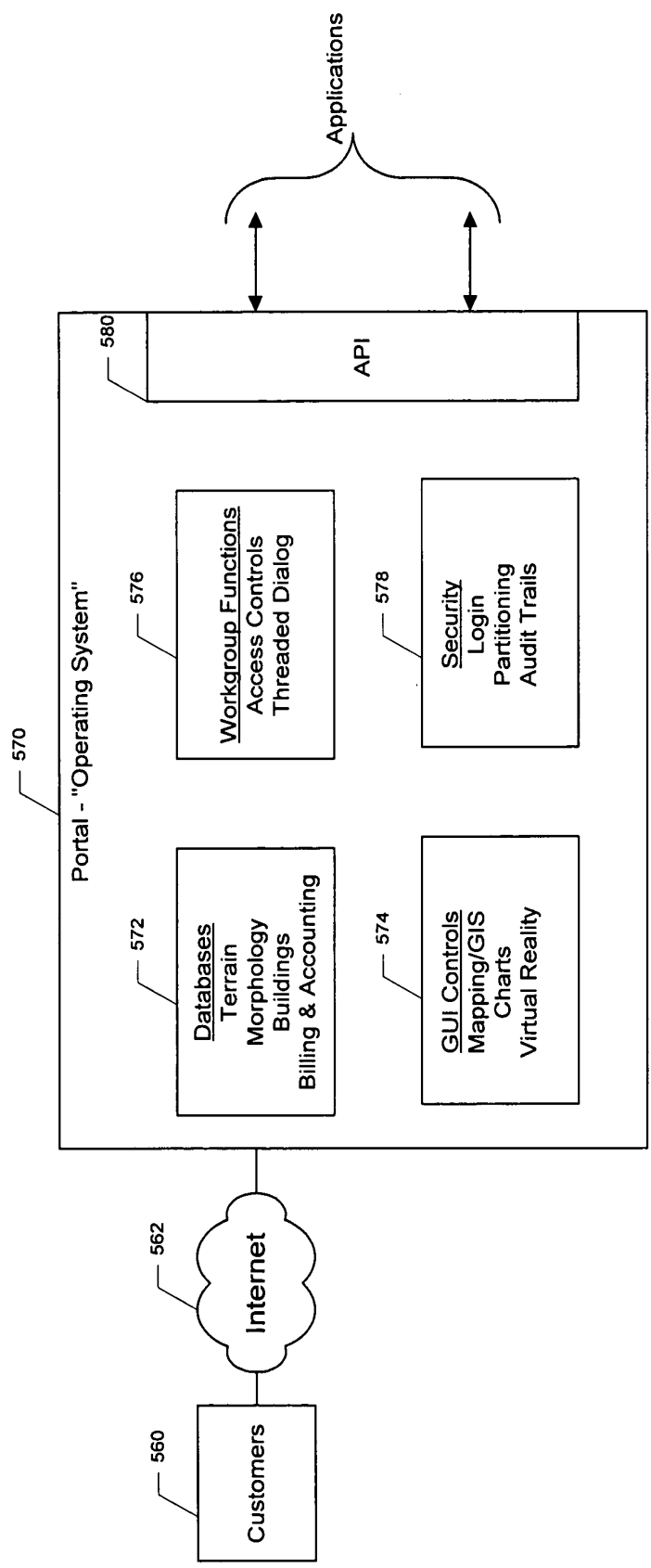


Figure 5c

610a 610b 610c 610d 610e 610f 610g 610h

Remote Unit Originated Packet

Packet Type ID	610a
Remote Unit ID	610b
Date & Time	610c
Message Number	610d
Mission ID Number	610e
Location Information	610f
Payload Information e.g., Call Statistics RF Engineering Data Layer 3 Information WAP Latency SMS Latency	610g
Checksum	610h

Figure 6a

620

Back End Processor Originated Packet

Packet Type ID	620a
Remote Unit ID	620b
Date & Time	620c
Message Number	620d
Mission ID Number	620e
Payload Information e.g., Type of Access (WAP, Ckt Switch, etc) Trigger - Time of Call (or range) Trigger - Location of Call (or range) Wireless System to test Target Phone Number or URL Mobile or Terr. Originated	620f
Checksum	620g

Figure 6b

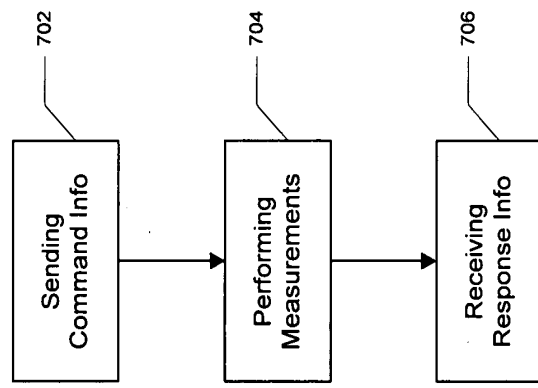


Figure 7a

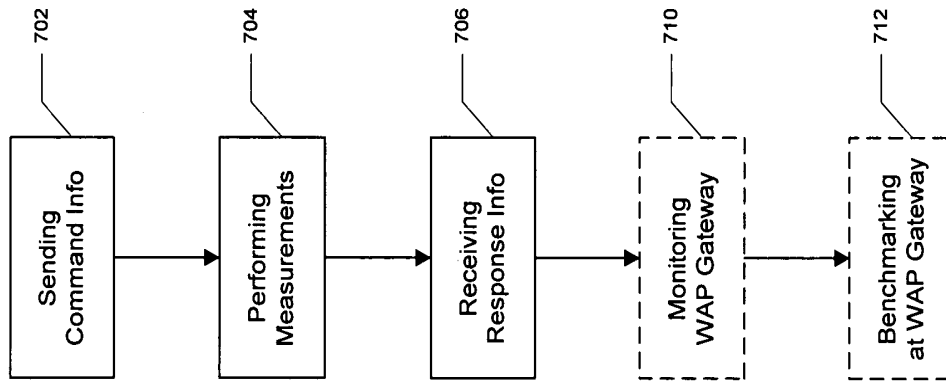


Figure 7b

FIG. 7C is a flowchart illustrating a process for remote unit data organization. The process begins with a solid box 702 labeled "Sending Command Info", which leads to a solid box 704 labeled "Performing Measurements". This leads to a solid box 706 labeled "Receiving Response Info". An arrow from box 706 loops back to a dashed box 720 labeled "Accessing from Internet". From box 720, the process continues through a series of dashed boxes: 722 "Scheduling Missions", 724 "Generating Test Traffic", 726 "Storing at Remote Unit", 728 "Pre-Processing at Remote Unit", 730 "Post-Processing at Back End", and finally 732 "Organizing Remote Unit Data".

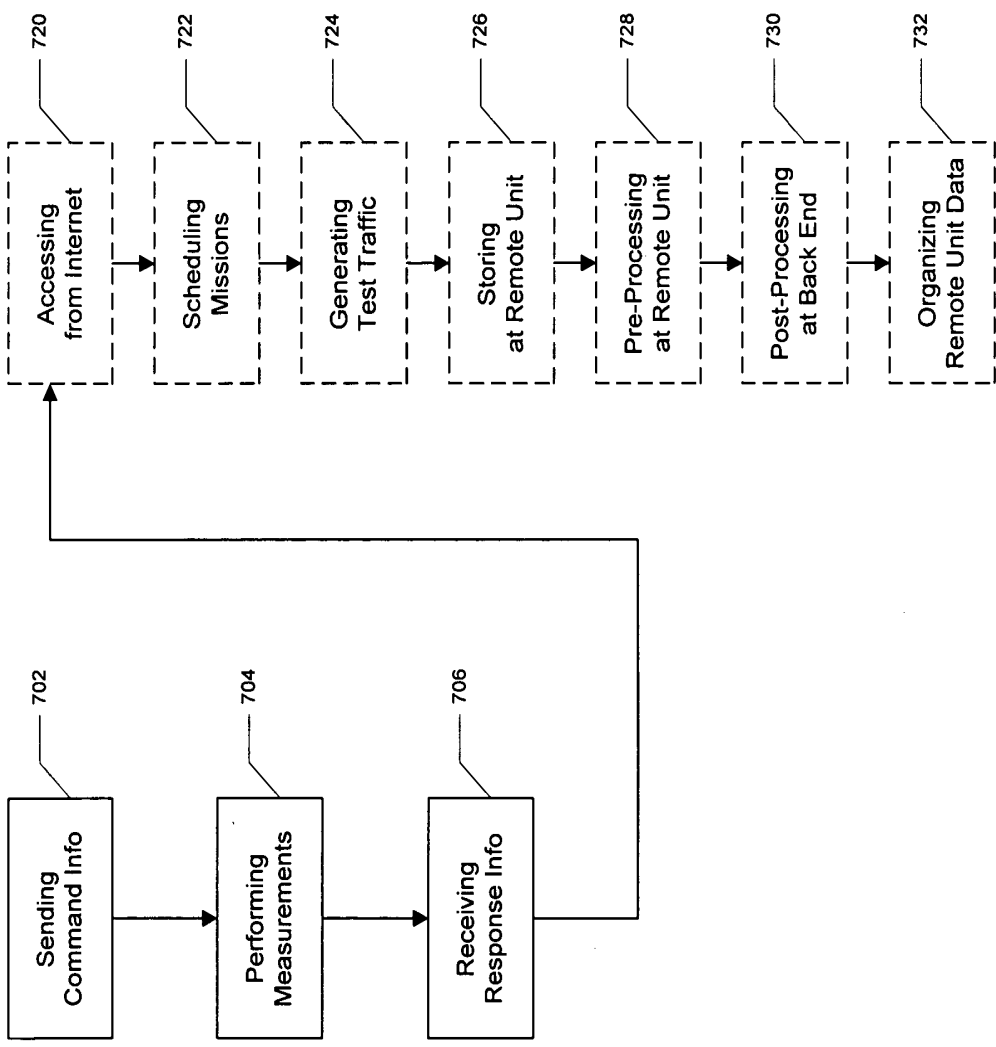


Figure 7c

Service: Compare Portals
 Report: Download time
 By: city
 By: All carriers
 Frequency: 15 minutes
 Time: 6 am - 12 pm
 Period: 03/01/00 - 03/07/00
 Benchmark: portal index
 Aol.com

810

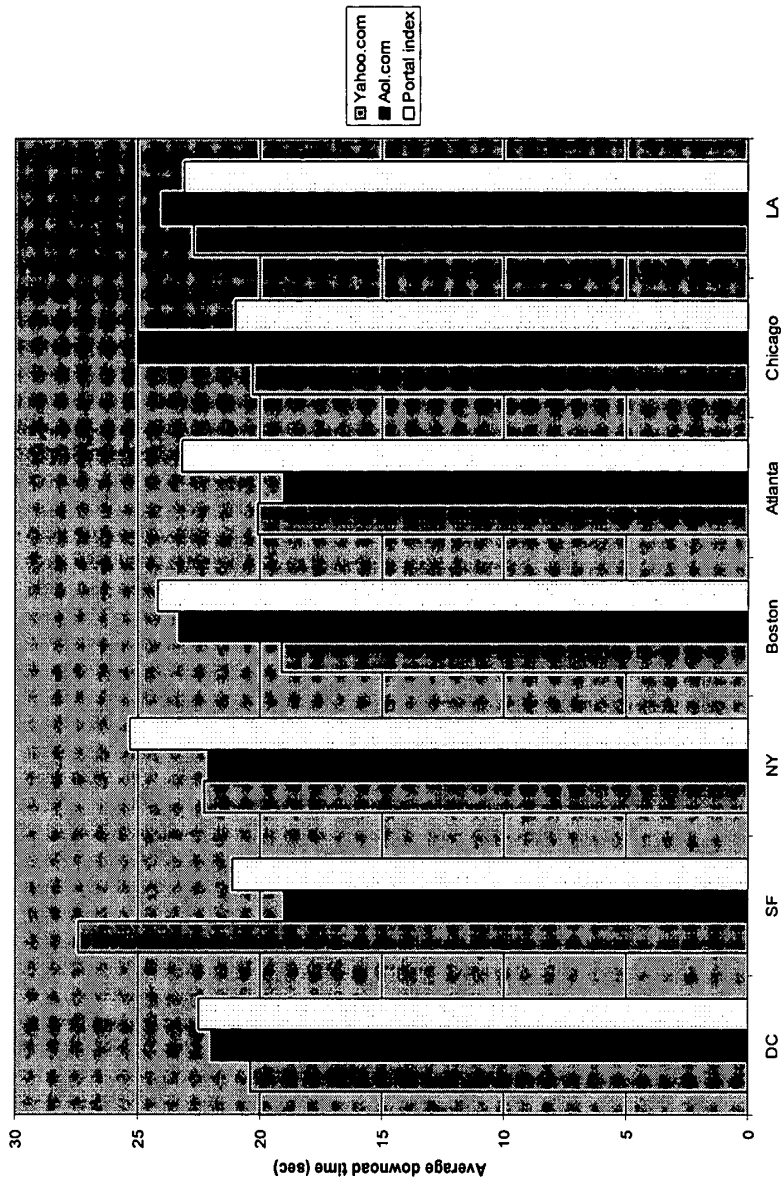


Figure 8a

1

00243 56333

820

URL: yahoo.com
Service: Compare Wireless
Operators
Report: Download time
By: city
By: carrier
Frequency: 30 minutes
Time: 6 am - 9 pm
Period: 03/01/00 - 03/07/00

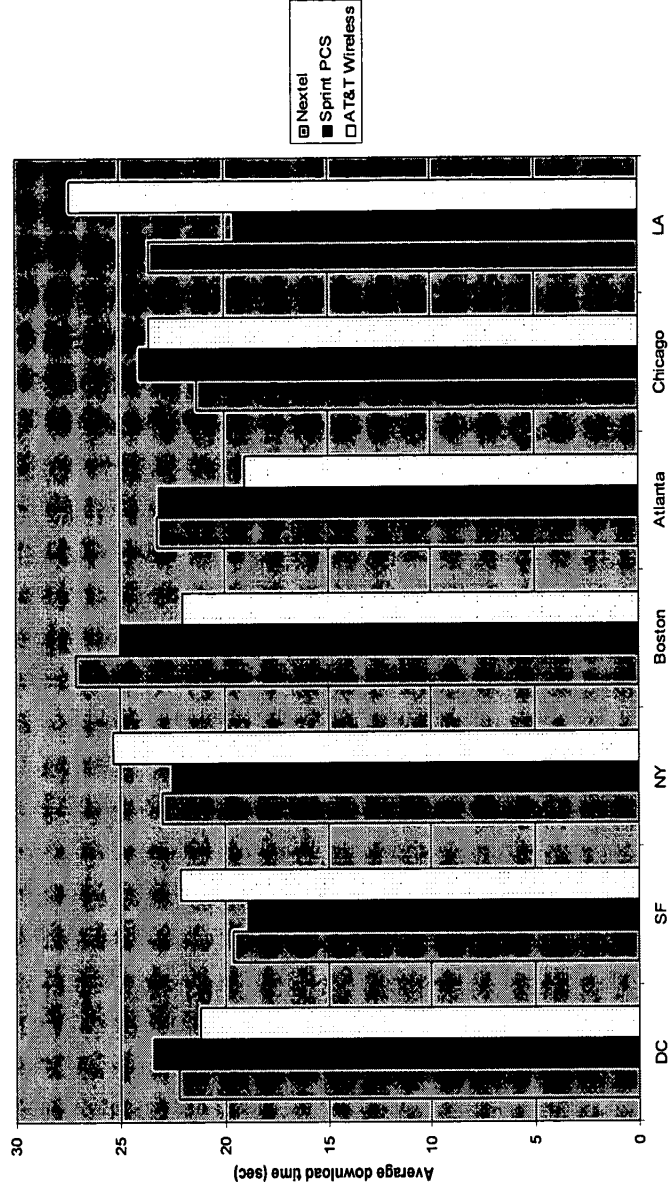


Figure 8b

03/07/00 15:03:50

URL: yahoo.com
Service: Compare Wireless
Operators
Report: Completion percent
By: city
By: carrier
Frequency: 30 minutes
Time: 6 am - 9 pm
Period: 03/01/00 - 03/07/00

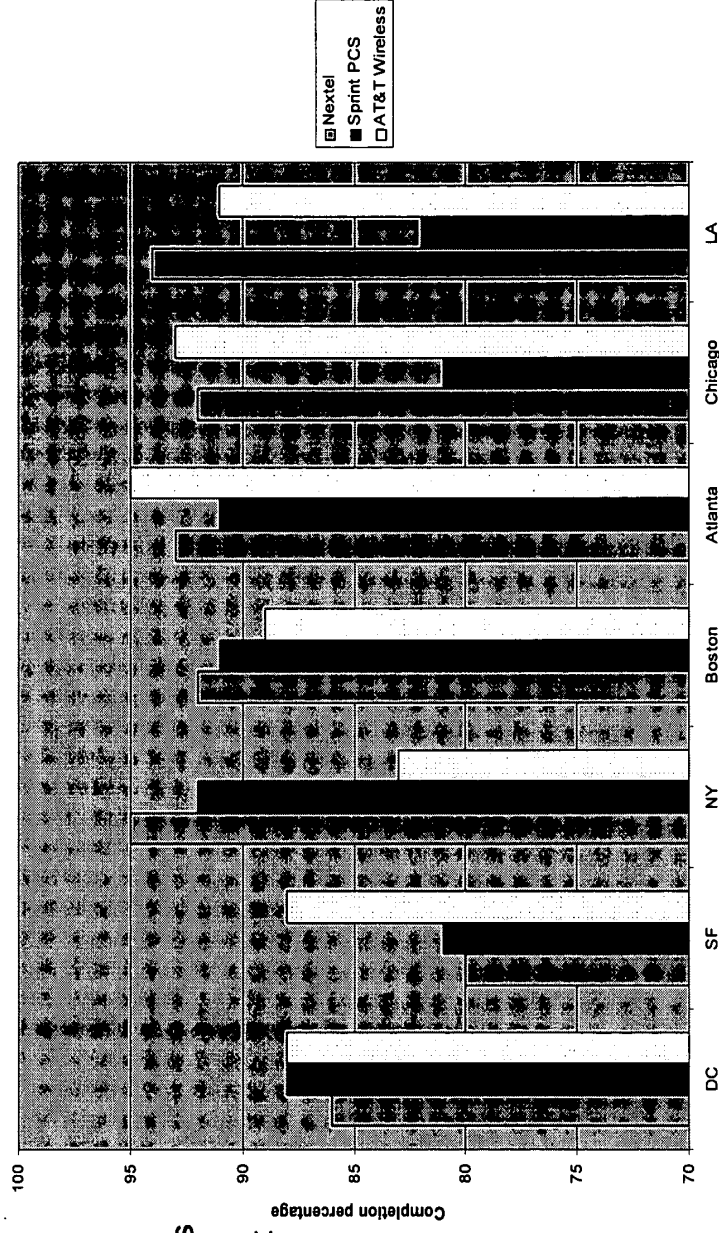


Figure 8c

URL: yahoo.com
 Service: Trend Wireless
 Report: Completion percent
 By: city
 By: carrier
 Frequency: 15 minutes
 Time: 6 am - 9 pm
 Period: 03/01/00 - 03/07/00

840

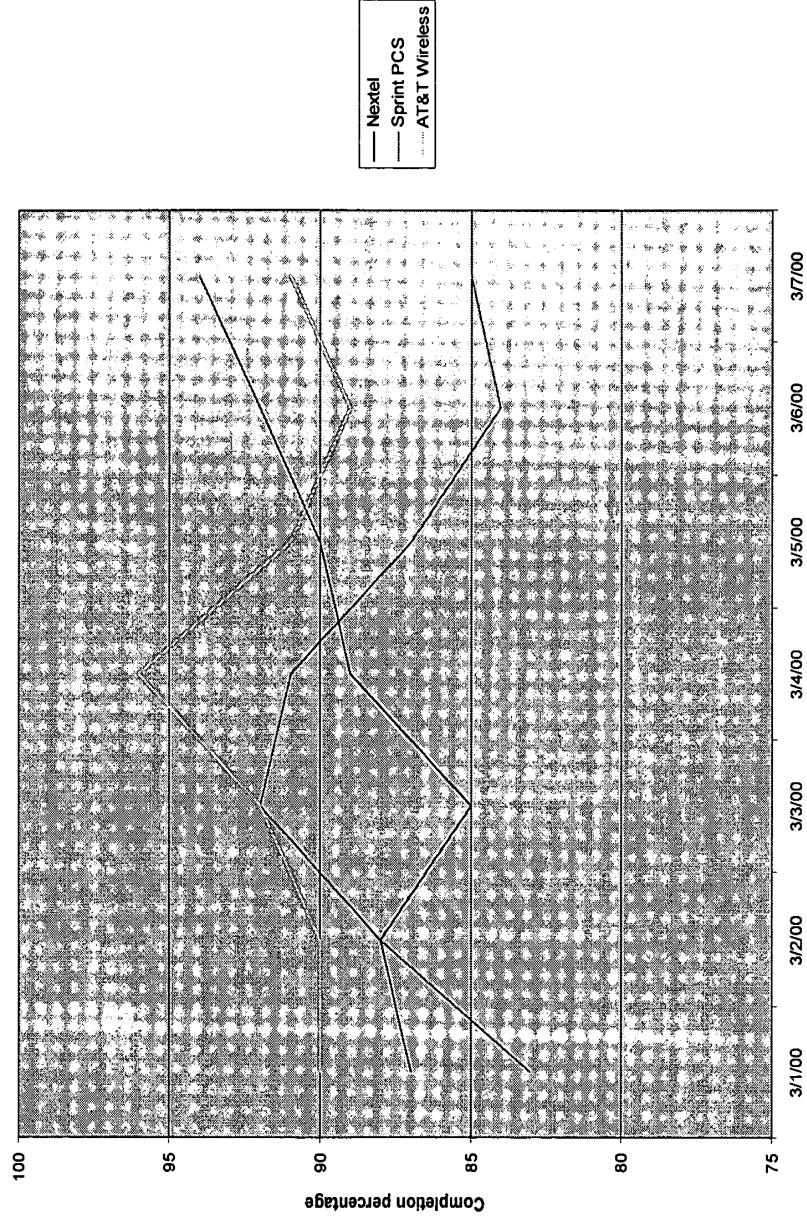


Figure 8d

URL: yahoo.com
 Service: Gateway Breakdown
 Report: Download time
 Components 1
 By: city
 Carrier: Nextel
 Frequency: 60 minutes
 Time: 12 pm - 12 pm
 Period: 03/01/00 - 03/07/00

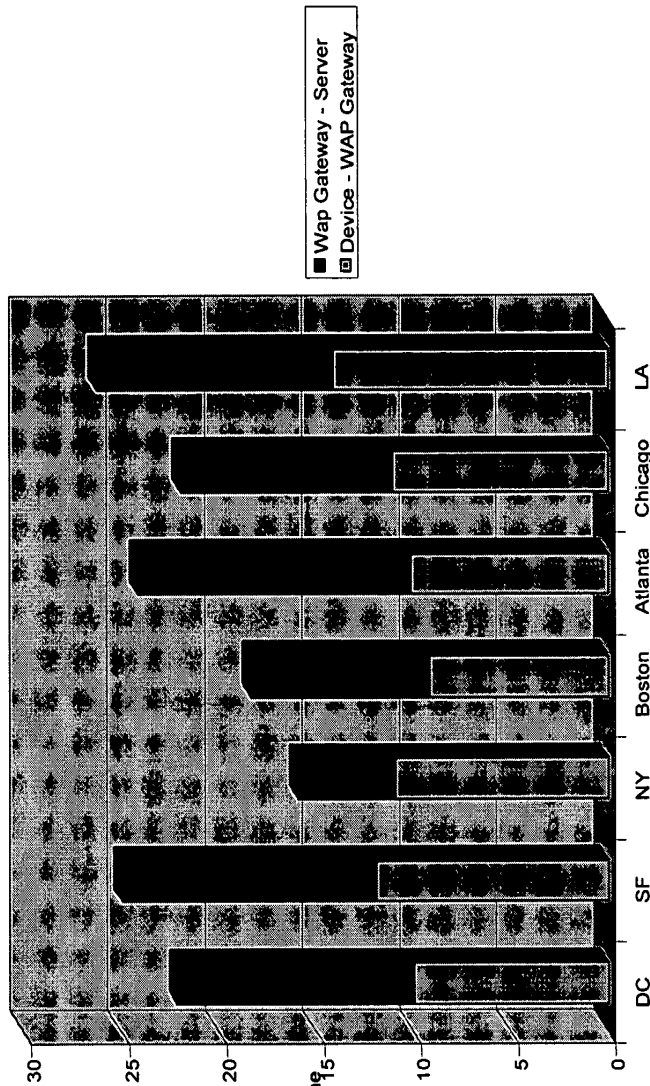


Figure 8e

850

03/03/00 05:55:00

URL: yahoo.com
Service: Error Stats
Report: Error report
By: all cities
Carrier: all carriers
Frequency: 60 minutes
Time: 12 pm - 12 pm
Period: 03/01/00 - 03/07/00

860

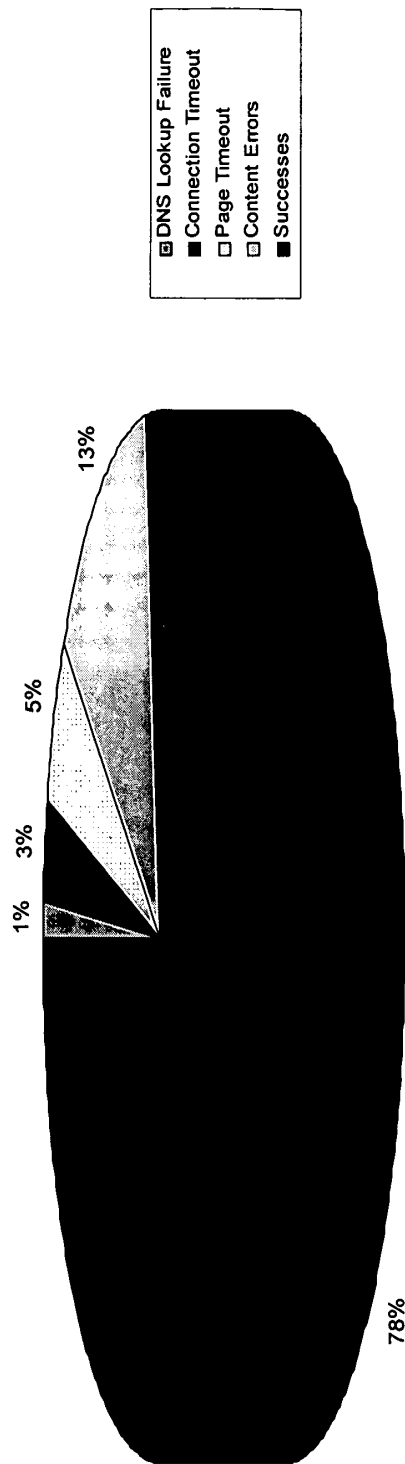


Figure 8f